



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER20070001

Agency Interest No. 9142

Mr. Larry Ables
Director, Southwest Region
Entergy Services, Inc.
10055 Grogan's Mill Road, Suite 400
The Woodlands, TX 77380

RE: Part 70 Operating Permit, Nelson Industrial Steam Company (NISCO)
Westlake, Calcasieu Parish, Louisiana

Dear Mr. Ables:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 27th of January, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 0520-00157-V1

Sincerely,

Chuck Carr Brown Ph.D.
Assistant Secretary
CCB: TRG
c: EPA Region VI

ENVIRONMENTAL SERVICES
PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.Louisiana.gov

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Nelson Industrial Steam Co NISCO
Agency Interest No.: 9142
Nelson Industrial Steam Co
Westlake, Calcasieu Parish, Louisiana**

I. Background

Nelson Industrial Steam Company, an existing steam and electric power generation facility, began operation in May 1992. The Nelson Industrial Steam Company currently operates under Permit No. 0520-00157-V0, issued February 2, 2006 and Permit No. PSD-LA-557, issued May 29, 1990.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Nelson Industrial Steam Company on March 5, 2007 requesting a Part 70 operating permit.

III. Description

The Nelson Industrial Steam Company (NISCO) is a cogeneration plant producing steam and electricity. The steam and electricity is generated by two (2) circulating fluidized bed (CFB) boilers. Limestone is added to the boilers as a sorbent material for sulfur dioxide removal.

Unit 1A CFB boiler burns petroleum coke as its primary fuel and natural gas as its startup fuel. Unit 1A exhausts out of one stack. A fabric filter, or baghouse, is used to control particulate emissions. Unit 2A CFB boiler burns petroleum coke as its primary fuel and natural gas as its startup fuel. Unit 2A exhausts out of one stack. A fabric filter, or baghouse, is used to control particulate emissions. There are also two (2) cooling towers on site, in addition to a diesel engine and a number of fugitive dust sources.

With this application, NISCO request an emissions CAP of 3519.36 lb/hr maximum hourly sulfur dioxide emissions from the two boilers during petroleum coke combustion and a particulate matter emissions flexibility CAP of 14 TPY from natural gas combustion during start-up of the two boilers. NISCO also proposes to change names/descriptions of point sources, delete point source C4, make clarifications to Limestone dryers Nos 1 and 2, add point sources for C1 and C2 startup, and update the emissions using the most current emission factors.

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Estimated emissions in tons per year are as follows:

| <u>Pollutant</u> | <u>Before</u> | <u>After</u> | <u>Change</u> |
|------------------|---------------|--------------|---------------|
| PM ₁₀ | 178.87 | 182.58 | +3.71 |
| SO ₂ | 8134.74 | 8134.24 | -0.50 |
| NO _x | 5906.27 | 5900.36 | -5.91 |
| CO | 985.47 | 984.68 | -0.79 |
| VOC * | 98.71 | 35.32 | -63.39 |

| <u>LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</u> | |
|---|-----------------------------------|
| <u>Pollutant</u> | <u>Emissions in tons per year</u> |
| Benzene | 0.01 |
| Dichlorobenzene | 0.01 |
| Formaldehyde | 0.01 |
| n-Hexane | 0.01 |
| Naphthalene | 0.01 |
| Toluene | 0.01 |
| Arsenic | 0.01 |
| Beryllium (Table 51.1) | 0.01 |
| Cadmium (and compounds) | 0.76 |
| Chromium VI (and compounds) | 0.16 |
| Manganese | 0.01 |
| Mercury (and compounds) | 0.02 |
| Nickel (and compounds) | 2.14 |
| Total | 3.52 |

| | |
|-------------------------|-------|
| <u>Other VOC (TPY):</u> | 35.28 |
|-------------------------|-------|

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IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, Prevention of Significant Deterioration (PSD), and New Source Performance Standards (NSPS). National Emission Standards for Hazardous Air Pollutants (NESHAP) does not apply.

This facility is a minor source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **Date**; and in *The Lake Charles American Press*, Lake Charles, on **Date**. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **Date**. The draft permit was also submitted to US EPA Region VI on **Date**. No public comments were received.

VII. Effects on Ambient Air

Dispersion Model(s) Used: AERMOD

| Pollutant | Time Period | Calculated Maximum Ground Level Concentration | Louisiana Air Quality Standard (NAAQS) |
|-----------|-------------|---|--|
| SO2 | 3hr | 0.134 mg/ m ³ | 1300 mg/m ³ |
| | 24hr | 0.043 mg/ m ³ | 365 mg/ m ³ |

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| Pollutant | Time Period | Calculated Maximum Ground Level Concentration | Louisiana Air Quality Standard (NAAQS) |
|-----------|-------------|---|--|
| | Annual | 0.003 mg/ m ³ | 80 mg/ m ³ |

VIII. General Condition XVII Activities

None

IX. Insignificant Activities

| ID No.: | Description | Citation |
|---------|--|------------------------|
| - | Two Lube Oil Storage Tanks (4360 gallons each) | LAC 33:III.501.B.5.A.3 |
| - | Lube Oil Storage Tank (4875 gallons) | LAC 33:III.501.B.5.A.3 |
| - | Lube Oil Storage Tank (1500 gallons) | LAC 33:III.501.B.5.A.3 |
| - | Two Lube Oil Storage Tanks (6300 gallons) | LAC 33:III.501.B.5.A.3 |
| - | Two Used Oil Storage Tanks (275 gallons each) | LAC 33:III.501.B.5.A.3 |
| - | Two Diesel Storage Tanks (250 gallons each) | LAC 33:III.501.B.5.A.3 |

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | Description | LAC 33:III.Chapter | | | | | | | | | | | | | | | |
|---------|---|-------------|--------------------|---|----|----|----|------|-------|------|------|------|------|-------|------|----|-----|-----|
| | | | 5▲ | 9 | 11 | 13 | 15 | 2103 | 2104* | 2107 | 2111 | 2113 | 2115 | 2116* | 2122 | 22 | 29* | 51* |
| | Facility Wide | | 1 | 1 | 1 | 1 | | | | | 1 | | | | | | 3 | 1 |
| EQT 1 | C1 - Unit 1A CFB Boiler Stack | | 1 | 1 | 1 | 1 | | | | | | | | | | | | |
| EQT 3 | C2 - Unit 2A CFB Boiler Stack | | 1 | 1 | 1 | 1 | | | | | | | | | | | | |
| EQT 4 | C3A-Limestone Dryer 1 | | 1 | 1 | 1 | 1 | | | | | | | | | | | | |
| EQT 6 | X11-Unit 1 Cooling Tower | | | | | | | | | | | | | | | | | |
| EQT 7 | X12-Unit 2 Cooling Tower | | | | | | | | | | | | | | | | | |
| EQT 8 | C3B-Limestone Dryer 2 | | 1 | 1 | 1 | 1 | | | | | | | | | | | | |
| FUG 1 | M1 - Limestone End Dump Truck into Truck Hopper | | | | | | | | | | | | | | | | | |
| FUG 2 | M2 - Limestone Conv #1 (LC #1) Stackou onto Limestone Storage Pile | | | | | | | | | | 1 | | | | | | | |
| FUG 3 | M3 - Limestone Storage Pile Fugitive Emissions | | | | | | | | | | 1 | | | | | | | |
| FUG 4 | M4 - Limestone Conveyors (Uploading hopper to feed belt to LC #3) | | | | | | | | | | 1 | | | | | | | |
| FUG 5 | M5 - Limestone Underground Reclaim Tunnel to Limestone Conveyor #3(LC#3) | | | | | | | | | | 1 | | | | | | | |

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|--------|---|-------------|--------------------|---|----|----|----|------|-------|------|------|------|------|-------|------|----|-----|-----|----|
| | | | 5▲ | 9 | 11 | 13 | 15 | 2103 | 2104* | 2107 | 2111 | 2113 | 2115 | 2116* | 2122 | 22 | 29* | 51* | 56 |
| FUG 6 | M6 - Limestone Convey or #3 to #5 | | | | | | | 1 | | | | | | | | | | | |
| FUG 7 | M7 - Limestone Conveyor #5 to Surge Bin(Buffer Silo) | | | | | | | 1 | | | | | | | | | | | |
| FUG 8 | M8, M9, M10, M11- Limestone Conveyor System | | | | | | | 1 | | | | | | | | | | | |
| FUG 9 | M12, M13-Limestone Mills to Course Sand and/or Limestone Silos | | | | | | | 1 | | | | | | | | | | | |
| FUG 10 | M14A, M14B – Coke End Dump Truck into Truck Hopper | | | | | | | 1 | | | | | | | | | | | |
| FUG 11 | M15A, M15B, M16 – Petroleum Coke Conveyor System | | | | | | | 1 | | | | | | | | | | | |
| FUG 12 | M17 – Enclosed Coke Stackout Pile Fugitive Emission | | | | | | | 1 | | | | | | | | | | | |
| FUG 13 | M18 – Full portal Petroleum Coke Scraper Reclaimer | | | | | | | 1 | | | | | | | | | | | |
| FUG 14 | M19, M20 – Emergency Coke Reclaim Hoppers A and B Drop onto Coke Conveyor No. 4 | | | | | | | 1 | | | | | | | | | | | |
| FUG 15 | M21 - Scraper Reclaimer to Reclaim Conveyor #4 | | | | | | | 1 | | | | | | | | | | | |
| FUG 16 | M22,M23,M24,M25A,M25B-Coke Crusher and Conveyor System | | | | | | | 1 | | | | | | | | | | | |

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| ID No.: | Description | LAC 33:III:Chapter | | | | | | | | | | | | | | | | |
|---------|--|--------------------|---|----|----|----|------|-------|------|------|------|------|-------|------|----|-----|-----|----|
| | | 5▲ | 9 | 11 | 13 | 15 | 2103 | 2104* | 2107 | 2111 | 2113 | 2115 | 2116* | 2122 | 22 | 29* | 51* | 56 |
| FUG 17 | M26,M27-Coke Conveyors to Coke Feeder Silos | | | | | | | | | | | | | | | | | |
| FUG 18 | M28, M36-Fly Ash Silo Bin Vent #1 and Vent #2 | | | | | | | | | | | | | | | | | |
| FUG 19 | M29,M33,M34,M35- Fly Ash Silo Pneumatic Transfer System | | | | | | | | | | | | | | | | | |
| FUG 20 | M30-Fly Ash Truck Haul Road | | | | | | | | | | | | | | | | | |
| FUG 21 | M31, M32-Ash Disposal Area Fugitive and Reclaim Activity Emissions | | | | | | | | | | | | | | | | | |
| FUG 22 | M37,M38-Bottom Ash Silo Bin Vent #1 and Vent #2 | | | | | | | | | | | | | | | | | |
| FUG 23 | M39,M40-Limestone Feeder System | | | | | | | | | | | | | | | | | |

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

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KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

| ID No.: | Description | 40 CFR 60 NSPS | | | | | | | | | | 40 CFR 61 | | | | | | 40 CFR 63 | | | | | | 40 CFR | | | | | | |
|---------|---|----------------|----|----|---|----|----|-----|---|---|---|-----------|-------|----|----|----|----|-----------|----|--|--|--|--|--------|--|--|--|--|--|--|
| | | K | Ka | Kb | D | Db | GG | KKK | A | J | V | A | DDDDD | 72 | 73 | 75 | 76 | 77 | 78 | | | | | | | | | | | |
| | Facility Wide | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EQT 1 | C1 - Unit 1A CFB Boiler Stack | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EQT 3 | C2 - Unit 2A CFB Boiler Stack | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EQT 4 | C3A-Limestone Dryer 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EQT 6 | X11-Unit 1 Cooling Tower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EQT 7 | X12-Unit 2 Cooling Tower | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EQT 8 | C3B-Limestone Dryer 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FUG 1 | M1 - Limestone End Dump Truck into Truck Hopper | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| FUG 4 | M4 - Limestone Conveyors (Uploading hopper to feed belt to LC #3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FUG 5 | M5 - Limestone Underground Reclaim Tunnel to Limestone Conveyor #3(LC#3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FUG 6 | M6 - Limestone Conveyor #3 to #5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--------|---|----------------|----|----|---|----|----|-----------|---|---|---|---|-------|-----------|----|----|----|----|----|--------|--|--|--|--|--|
| | | K | Ka | Kb | D | Db | GG | KKK | A | J | V | A | DDDDD | 72 | 73 | 75 | 76 | 77 | 78 | | | | | | |
| FUG 7 | M7 - Limestone Conveyor #5 to Surge Bin(Buffer Silo) | | | | | | | | | | | | | | | | | | | | | | | | |
| FUG 8 | M8, M9, M10, M11- Limestone Conveyor System | | | | | | | | | | | | | | | | | | | | | | | | |
| FUG 9 | M12, M13-Limestone Mills to Course Sand and/or Limestone Silos | | | | | | | | | | | | | | | | | | | | | | | | |
| FUG 10 | M14A, M14B – Coke End Dump Truck into Truck Hopper | | | | | | | | | | | | | | | | | | | | | | | | |
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|---------|---|----------------|----|----|---|----|----|-----|---|---|---|-----------|-------|----|----|----|----|-----------|----|--|--|--|--|--|
| | | K | Ka | Kb | D | Db | GG | KKK | A | J | V | A | DDDDD | 72 | 73 | 75 | 76 | 77 | 78 | | | | | |
| FUG 18 | M28,M36-Fly Ash Silo Bin Vent #1 and Vent #2 | | | | | | | | | | | | | | | | | | | | | | | |
| FUG 19 | M29,M33,M34,M35- Fly Ash Silo Pneumatic Transfer System | | | | | | | | | | | | | | | | | | | | | | | |
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- 1 - The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

| ID No: | Requirement | Notes |
|-----------------|---|---|
| Facility Wide | Comprehensive Toxic Air Pollutant Emissions Control Program [LAC 33:III.Chapter 51] | EXEMPT. Emissions from the combustion of a Group 1 virgin fossil fuel are exempt. [LAC 33.III.5105.3.a] |
| Facility Wide | National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters [40 CFR 63, Subpart DDDDD] | DOES NOT APPLY. The facility is not a major source of HAP emissions. (Does not emit or have the potential to emit any single HAP at 10 tons or more per year or any combination of HAP of 25 tons or more per year.) [40 CFR 63.7485] |
| EQT 1 and EQT 3 | Acid Rain Program [40 CFR 72] | DOES NOT APPLY. Facility is a qualifying facility that has, as of November 15, 1990, one or more qualifying power purchase commitments to sell at least 15 percent of its total planned net output capacity, and consists of one or more units designated by the owner or operator with total installed net output capacity not exceeding 130 percent of the total planned net output capacity. [40 CFR 72.6(b)(5)] |
| EQT 4 and EQT 8 | Emission Standards for Sulfur Dioxide [LAC 33.III.1503] | EXEMPT. Units emit less than 250 tons per year of SO ₂ . [LAC 33:III.1503.C] |

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1,2,or 3 in the matrix presented in Section X(Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 - 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

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4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an

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emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

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- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated March 5, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 9142 Nelson Industrial Steam Co NISCO
Activity Number: PER20070001
Permit Number: 0520-00157-V1
Air - Title V Regular Permit Minor Mod

| Also Known As: | ID | Name | User Group | Start Date |
|-------------------------|---|--|--------------------------|---------------------------------------|
| | 0520-00157 | Nelson Industrial Steam Co NISCO | CDS Number | 08-05-2002 |
| | 0520-0161 | Nelson Industrial Steam Co NISCO | Emission Inventory | 03-03-2004 |
| LA-6492-L01 | | Radioactive Material License | Radiation License Number | 03-24-2000 |
| D-019-0495 | | SW ID # | Solid Waste Facility No. | 04-30-2001 |
| D-019-3017 | | SW ID # | Solid Waste Facility No. | 08-16-2001 |
| D-019-3018 | | SW ID # | Solid Waste Facility No. | 01-08-2002 |
| 31750 | | Entergy/Nisco-Cogen | TEMPO Merge | 04-29-2001 |
| 38379 | | Nesco Co | TEMPO Merge | 05-02-2001 |
| 38980 | | Nelson Industrial Steam Co | TEMPO Merge | 01-12-2001 |
| 87472 | | Nisco Generation Project | TEMPO Merge | 04-16-2001 |
| 9723 | | Nelson Industrial Steam Co at GSU/Nelson Station | TEMPO Merge | 04-16-2001 |
| | | | Main Phone: | 3374396111 |
| | | | Phone (Type) | |
| Physical Location: | | | | |
| Mailing Address: | 3500 Houston River Rd | | | |
| | Westlake, LA 70669 | | | |
| Location of Front Gate: | 30° 16' 24" latitude, 93° 18' 1" longitude, | Coordinate Method: Interpolation - Map | Coordinate Datum: NAD83 | |
| Related People: | Name | Mailing Address | Phone (Type) | Relationship |
| | Larry Ables | 10055 Grogan's Mill Rd Ste 400 The Woodlands, TX 77380 | 2812973435 (WF) | Responsible Official for |
| | Rashid Johnson | 639 Loyola Ave L-ENT-5E New Orleans, LA 70113 | 5045764928 (WF) | Emission Inventory Contact for |
| | Rashid Johnson | 639 Loyola Ave L-ENT-5E New Orleans, LA 70113 | john21@entergy.com | Emission Inventory Contact for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | rkratze@entergy.com | Radiation License Billing Party for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 3378026065 (CP) | Radiation License Billing Party for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | rkratze@entergy.com | Accident Prevention Billing Party for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 3374946046 (WF) | Accident Prevention Billing Party for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | rkratze@entergy.com | Accident Prevention Contact for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | rkratze@entergy.com | Radiation Safety Officer for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 2812973725 (WF) | Radiation Safety Officer for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 3374946046 (WF) | Radiation Safety Officer for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 3378026065 (CP) | Radiation Safety Officer for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 3374946046 (WF) | Accident Prevention Contact for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 2812973725 (WF) | Accident Prevention Contact for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 3378026065 (CP) | Accident Prevention Contact for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 2812973725 (WF) | Accident Prevention Billing Party for |

General Information

AI ID: 9142 Nelson Industrial Steam Co NISCO

Activity Number: PER20070001

Permit Number: 0520-00157-V1

Air - Title V Regular Permit Minor Mod

| Related People: | Name | Mailing Address | Phone (Type) | Relationship |
|------------------------|----------------------------|---|-------------------------------|---------------------------------------|
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 3378026065 (CP) | Accident Prevention Billing Party for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 33774946046 (WP) | Radiation License Billing Party for |
| | Rhonda Kratzer | 3500 Houston River Rd Westlake, LA 70669 | 2812973725 (WF) | Radiation License Billing Party for |
| Related Organizations: | Name | Address | Phone (Type) | Relationship |
| | Entergy Gulf States Inc | 3500 Houston River Rd Westlake, LA 70669 | Operates | |
| | Entergy Services Inc | Attn: Richard Labranche New Orleans, LA 70113 | Solid Waste Billing Party for | |
| | Nelson Industrial Steam Co | 3500 Houston River Rd Westlake, LA 70669 | Air Billing Party for | |
| | Nelson Industrial Steam Co | 3500 Houston River Rd Westlake, LA 70669 | Owns | |

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 9142 - Nelson Industrial Steam Co NISCO
Activity Number: PER20070001
Permit Number: 0520-00157-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

| ID | Description | Tank Volume | Max. Operating Rate | Normal Operating Rate | Contents | Operating Time |
|--------|--|-------------|---------------------|-----------------------|-------------------|-----------------------|
| EQT001 | C1-Unit 1A CFB Boiler Stack | 115 MW | 115 MW | 115 MW | | 8760 hr/yr (All Year) |
| EQT003 | C2-Unit 2A CFB Boiler Stack | 115 MW | 115 MW | 115 MW | | 8760 hr/yr (All Year) |
| EQT004 | C3A-Limestone Dyer 1 | 6 MM BTU/hr | 6 MM BTU/hr | 6 MM BTU/hr | Natural Gas Fired | 8760 hr/yr (All Year) |
| EQT006 | X11-Unit 1 Cooling Tower | | | | | 8760 hr/yr (All Year) |
| EQT007 | X12-Unit 2 Cooling Tower | | | | | 8760 hr/yr (All Year) |
| EQT008 | C3B-Limestone Dyer 2 | 6 MM BTU/hr | 6 MM BTU/hr | 6 MM BTU/hr | Natural Gas Fired | 8760 hr/yr (All Year) |
| FUG001 | M1-Limestone End Dump Truck into Truck Hopper | | | | | 1560 hr/yr (All Year) |
| FUG002 | M2-Limestone Conv#1 (LC #1) Stackout onto Limestone Storage Pile | | | | | 1560 hr/yr (All Year) |
| FUG003 | M3-Limestone Storage Pile Fugitive Emissions | | | | | 8760 hr/yr (All Year) |
| FUG004 | M4-Limestone Conveyors (Unloading Hopper to Feed Belt to LC #3) | | | | | 883 hr/yr (All Year) |
| FUG005 | M5-Limestone Underground Reclaim Tunnel to Limestone Conveyor #3 (LC #3) | | | | | 883 hr/yr (All Year) |
| FUG006 | M6 - Limestone Conveyor #3 to #5 | | | | | 883 hr/yr (All Year) |
| FUG007 | M7 - Limestone Conveyor #5 to Surge Bin(Buffer Silo) | | | | | 883 hr/yr (All Year) |
| FUG008 | M8, M9,M10,M11 - Limestone Conveyor System | | | | | 7280 hr/yr (All Year) |
| FUG009 | M12, M13 - Limestone Mills to Course Sand and/or Limestone Silos | | | | | 7280 hr/yr (All Year) |
| FUG010 | M14A,M14B-Coke End Dump Truck into Truck Hopper | | | | | 4380 hr/yr (All Year) |
| FUG011 | M15A,M15B,M16-Petroleum Coke Conveyor System | | | | | 4380 hr/yr (All Year) |
| FUG012 | M17 - Enclosed Coke Stackout Pile Fugitive Emissions | | | | | 8760 hr/yr (All Year) |
| FUG013 | M18-Full Portal Petroleum Coke Scraper Reclaimer | | | | | 2920 hr/yr (All Year) |
| FUG014 | M19 M20-Emergency Coke Reclaim Hoppers A and B Drop onto Coke Conveyor No. 4 | | | | | 1552 hr/yr (All Year) |
| FUG015 | M21-Scraper Reclaimer to Reclaim Conveyor #4 | | | | | 2920 hr/yr (All Year) |
| FUG016 | M22, M23, M24, M25A,M25B-Coke Crusher and Conveyor System | | | | | 3105 hr/yr (All Year) |
| FUG017 | M26, M27-Coke Conveyors to Coke Feeder Silos | | | | | 2920 hr/yr (All Year) |
| FUG018 | M28,M36-Fly Ash Silo Vent #1 and Vent #2 | | | | | 8760 hr/yr (All Year) |
| FUG019 | M29,M33,M34,M35-Fly Ash Silo Pneumatic Transfer System | | | | | 8760 hr/yr (All Year) |
| FUG020 | M30-Fly Ash Truck Haul Road | | | | | 4380 hr/yr (All Year) |
| FUG021 | M31,M32-Ash Disposal Area Fugitive and Reclaim Activity Emissions | | | | | 8760 hr/yr (All Year) |
| FUG022 | M37,M38-Bottom Ash Silo Bin Vent #1 and Vent #2 | | | | | 8760 hr/yr (All Year) |
| FUG023 | M39,M40-Limestone Feeder System | | | | | 7280 hr/yr (All Year) |

Subject Item Groups:

| ID | Description | Included Components (from Above) |
|--------|--|----------------------------------|
| GRP004 | C1-Unit 1A CFB Boiler Stack (Start-up) | EQT1 C1-Unit 1A CFB Boiler Stack |

INVENTORIES

AI ID: 9142 - Nelson Industrial Steam Co NISCO
 Activity Number: PER2007001
 Permit Number: 0520-00157-V1
 Air - Title V Regular Permit Minor Mod

Subject Item Groups:

| ID | Description | Included Components (from Above) |
|--------|--|--|
| GRP006 | C2-Unit 2A CFB Boiler Stack (Start-up) | EQT3 C2-Unit 2A CFB Boiler Stack |
| GRP007 | NISCO Facility | EQT1 C1-Unit 1A CFB Boiler Stack |
| GRP007 | NISCO Facility | EQT3 C2-Unit 2A CFB Boiler Stack |
| GRP007 | NISCO Facility | EQT4 C3A-Limestone Dryer 1 |
| GRP007 | NISCO Facility | EQT6 X11-Unit 1 Cooling Tower |
| GRP007 | NISCO Facility | EQT7 X12-Unit 2 Cooling Tower |
| GRP007 | NISCO Facility | EQT8 C3B-Limestone Dryer 2 |
| GRP007 | NISCO Facility | FUG1 M1-Limestone End Dump Truck into Truck Hopper |
| GRP007 | NISCO Facility | FUG2 M2-Limestone Conv#1 (LC #1) Slackout onto Limestone Storage Pile |
| GRP007 | NISCO Facility | FUG3 M3-Limestone Storage Pile Fugitive Emissions |
| GRP007 | NISCO Facility | FUG4 M4-Limestone Conveyors (Unloading Hopper to Feed Belt to LC #3) |
| GRP007 | NISCO Facility | FUG5 M5-Limestone Underground Reclaim Tunnel to Limestone Conveyor #3 (LC #3) |
| GRP007 | NISCO Facility | FUG6 M6 - Limestone Conveyor #3 to #5 |
| GRP007 | NISCO Facility | FUG7 M7 - Limestone Conveyor #5 to Surge Bin(Buffer Silo) |
| GRP007 | NISCO Facility | FUG8 M8, M9 M10,M11 - Limestone Conveyor System |
| GRP007 | NISCO Facility | FUG9 M12,M13 - Limestone Mills to Course Sand and/or Limestone Silos |
| GRP007 | NISCO Facility | FUG10 M14A,M14B-Coke End Dump Truck into Truck Hopper |
| GRP007 | NISCO Facility | FUG11 M15A,M15B,M16-Petroleum Coke Conveyer System |
| GRP007 | NISCO Facility | FUG12 M17 - Enclosed Coke Slackout Pile Fugitive Emissions |
| GRP007 | NISCO Facility | FUG13 M18-Full Portal Petroleum Coke Reclaimer |
| GRP007 | NISCO Facility | FUG14 M19,M20-Emergency Coke Reclaimer Hoppers A and B Drop onto Coke Conveyor No. 4 |
| GRP007 | NISCO Facility | FUG15 M21-Scraper Reclaimer to Reclaim Conveyor #4 |
| GRP007 | NISCO Facility | FUG16 M22,M23,M24,M25A,M25B-Coke Crusher and Conveyor System |
| GRP007 | NISCO Facility | FUG17 M26,M27-Coke Conveyors to Coke Feeder Silos |
| GRP007 | NISCO Facility | FUG18 M28,M36-Fly Ash Silo Vent #1 and Vent #2 |
| GRP007 | NISCO Facility | FUG19 M29,M33,M34,M35-Fly Ash Silo Pneumatic Transfer System |
| GRP007 | NISCO Facility | FUG20 M30-Fly Ash Truck Haul Road |
| GRP007 | NISCO Facility | FUG21 M31,M32-Ash Disposal Area Fugitive and Reclaim Activity Emissions |
| GRP007 | NISCO Facility | FUG22 M37,M38-Bottom Ash Silo Bin Vent #1 and Vent #2 |
| GRP007 | NISCO Facility | FUG23 M39,M40-Limestone Feeder System |
| GRP007 | NISCO Facility | GRP4 C1-Unit 1A CFB Boiler Stack (Start-up) |
| GRP007 | NISCO Facility | GRP6 C2-Unit 2A CFB Boiler Stack (Start-up) |
| GRP007 | NISCO Facility | GRP8 Fabric Filter Conditions |
| GRP008 | Fabric Filter Conditions | FUG2 M2-Limestone Conv#1 (LC #1) Slackout onto Limestone Storage Pile |
| GRP008 | Fabric Filter Conditions | FUG5 M5-Limestone Underground Reclaim Tunnel to Limestone Conveyor #3 (LC #3) |
| GRP008 | Fabric Filter Conditions | FUG6 M6 - Limestone Conveyor #3 to #5 |
| GRP008 | Fabric Filter Conditions | FUG7 M7 - Limestone Conveyor #5 to Surge Bin(Buffer Silo) |

INVENTORIES

AI ID: 9142 - Nelson Industrial Steam Co NISCO
 Activity Number: PPER20070001
 Permit Number: 0520-00157-V1
 Air - Title V Regular Permit Minor Mod

Subject Item Groups:

| ID | Description | Included Components (from Above) |
|--------|---|--|
| GRP008 | Fabric Filter Conditions | FUG8 M8, M9,M10,M11 - Limestone Conveyor System |
| GRP008 | Fabric Filter Conditions | FUG9 M12,M13 - Limestone Mills to Course Sand and/or Limestone Silos |
| GRP008 | Fabric Filter Conditions | FUG11 M15A,M15B,M16-Petroleum Coke Conveyor System |
| GRP008 | Fabric Filter Conditions | FUG16 M22,M23,M24,M25A,M25B-Coke Crusher and Conveyor System |
| GRP008 | Fabric Filter Conditions | FUG17 M26,M27-Coke Conveyors to Coke Feeder Silos |
| GRP008 | Fabric Filter Conditions | FUG18 M28,M36-Fly Ash Silo Vent #1 and Vent #2 |
| GRP008 | Fabric Filter Conditions | FUG19 M29,M33,M34,M35-Fly Ash Silo Pneumatic Transfer System |
| GRP008 | Fabric Filter Conditions | FUG22 M37,M38-Bottom Ash Silo Bin Vent #1 and Vent #2 |
| GRP008 | Fabric Filter Conditions | FUG23 M39,M40-Limestone Feeder System |
| GRP011 | CO CAP C3A and C3B-Limestone Dyers | EQT4 C3A-Limestone Dyer 1 |
| GRP011 | CO CAP C3A and C3B-Limestone Dyers | EQT8 C3B-Limestone Dyer 2 |
| GRP012 | PM10 CAP for Boiler Stack (Start-up) | GRP4 C1-Unit 1A CFB Boiler Stack (Start-up) |
| GRP012 | PM10 CAP for Boiler Stack (Start-up) | GRP6 C2-Unit 2A CFB Boiler Stack (Start-up) |
| GRP013 | SO2 CAP for Unit 1A and 2A Boiler Stack | EQT1 C1-Unit 1A CFB Boiler Stack |
| GRP013 | SO2 CAP for Unit 1A and 2A Boiler Stack | EQT3 C2-Unit 2A CFB Boiler Stack |

Relationships:**Stack Information:**

| ID | Velocity (ft/sec) | Flow Rate (cubic ft/min-actual) | Diameter (feet) | Discharge Area (square feet) | Height (feet) | Temperature (°F) |
|--------|-----------------------------|------------------------------------|--------------------|---------------------------------|------------------|---------------------|
| EQT001 | C1-Unit 1A CFB Boiler Stack | 92.4 | 352494 | 9 | 425 | 270 |
| EQT003 | C2-Unit 2A CFB Boiler Stack | 92.4 | 352494 | 9 | 425 | 270 |
| EQT004 | C3A-Limestone Dryer 1 | 80 | 23600 | 2.5 | 35 | 180 |
| EQT006 | X11-Unit 1 Cooling Tower | | 2395 | | 3217 | 51.83 |
| EQT007 | X12-Unit 2 Cooling Tower | | 2395 | | 3217 | 51.83 |
| EQT008 | C3B-Limestone Dryer 2 | 80 | 23600 | 2.5 | 35 | 180 |

Fee Information:

| Subj Item Id | Multiplier | Units Of Measure | Fee Desc |
|--------------|------------|------------------|---|
| GRP007 | 230 | MW | 1400 - A) Electric Power Gen. (Over 0.7 percent S in Fuel) (Rated Capacity) |

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 9142 - Nelson Industrial Steam Co NISCO

Activity Number: PER20070001

Permit Number: 0520-00157-V1

Air - Title V Regular Permit Minor Mod

All phases

| All phases | | | | | | | | | | | | VOC | |
|-------------------|------------------|-----------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|
| Subject Item | PM ₁₀ | | | SO ₂ | | | NOx | | | CO | | | |
| | Avg Ib/hr | Max Ib/hr | Tons/Year | Avg Ib/hr | Max Ib/hr | Tons/Year | Avg Ib/hr | Max Ib/hr | Tons/Year | Avg Ib/hr | Max Ib/hr | Tons/Year | |
| EQT 001 C1 | 16.85 | 36.66 | 73.80 | 928.56 | | | 4067.1 | 672.97 | 879.84 | 2947.6 | 112.20 | 491.44 | 4.00 |
| EQT 003 C2 | 16.85 | 36.66 | 73.80 | 928.56 | | | 4067.1 | 672.97 | 879.84 | 2947.6 | 112.20 | 491.44 | 4.00 |
| EQT 004 C3A | 0.04 | 0.04 | 0.20 | < 0.01 | < 0.01 | 0.02 | 0.59 | 0.59 | 0.59 | 2.58 | 0.49 | | 0.03 |
| EQT 006 x11 | 2.93 | 2.93 | 12.83 | | | | | | | | | | 0.14 |
| EQT 007 x12 | 2.93 | 2.93 | 12.83 | | | | | | | | | | |
| EQT 008 C3B | 0.04 | 0.04 | 0.20 | < 0.01 | < 0.01 | 0.02 | 0.59 | 0.59 | 0.59 | 2.58 | 0.49 | | 0.03 |
| FUG 001 FUG001 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | 0.14 |
| FUG 002 FUG002 | 0.92 | 0.92 | 0.72 | | | | | | | | | | |
| FUG 003 FUG003 | 0.09 | 0.09 | 0.41 | | | | | | | | | | |
| FUG 004 FUG004 | 0.92 | 0.92 | 0.41 | | | | | | | | | | |
| FUG 005 FUG005 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | |
| FUG 006 FUG006 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | |
| FUG 007 FUG007 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | |
| FUG 008 FUG008 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | |
| FUG 009 FUG009 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | |
| FUG 010 FUG010 | 0.22 | 0.22 | 0.49 | | | | | | | | | | |
| FUG 011 FUG011 | 0.40 | 0.40 | 0.87 | | | | | | | | | | |
| FUG 012 FUG012 | 0.04 | 0.04 | 0.15 | | | | | | | | | | |

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 9142 - Nelson Industrial Steam Co NISCO

Activity Number: PER20070001

Permit Number: 0520-00157-V1

Air - Title V Regular Permit Minor Mod

All phases

| Subject Item | PM ₁₀ | | | SO ₂ | | | NOx | | | CO | | | VOC | | |
|--------------|------------------|-----------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| FUG 013 | < 0.01 | < 0.01 | < 0.01 | 0.07 | 0.07 | 0.05 | | | | | | | | | |
| FUG013 | | | | | | | | | | | | | | | |
| FUG 014 | | | | | | | | | | | | | | | |
| FUG014 | | | | | | | | | | | | | | | |
| FUG 015 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | | | |
| FUG015 | | | | | | | | | | | | | | | |
| FUG 016 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | | | |
| FUG016 | | | | | | | | | | | | | | | |
| FUG 017 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | | | |
| FUG017 | | | | | | | | | | | | | | | |
| FUG 018 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | | | |
| FUG018 | | | | | | | | | | | | | | | |
| FUG 019 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | | | |
| FUG019 | | | | | | | | | | | | | | | |
| FUG 020 | 1.29 | 1.29 | 2.82 | | | | | | | | | | | | |
| FUG020 | | | | | | | | | | | | | | | |
| FUG 021 | 0.65 | 0.65 | 2.86 | | | | | | | | | | | | |
| FUG021 | | | | | | | | | | | | | | | |
| FUG 022 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | | | |
| FUG022 | | | | | | | | | | | | | | | |
| FUG 023 | < 0.01 | < 0.01 | < 0.01 | | | | | | | | | | | | |
| FUG023 | | | | | | | | | | | | | | | |
| GRP 004 | 211.05 | 253.25 | 0.12 | 0.15 < | 0.01 | 38.75 | 46.49 | 1.36 | 17.13 | 20.56 | 0.60 | 1.12 | 1.35 | 0.04 | |
| C1 | | | | | | | | | | | | | | | |
| GRP 006 | 211.05 | 253.25 | 0.12 | 0.15 < | 0.01 | 38.75 | 46.49 | 1.36 | 17.13 | 20.56 | 0.60 | 1.12 | 1.35 | 0.04 | |
| C2 | | | | | | | | | | | | | | | |
| GRP 011 | | | | | | | | | | | | | | | |
| GRP 012 | | | | 14.78 | | | | | | | | | | | |
| GRP 013 | | | | | | | 3519.36 | | | | | | | | |

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 9142 - Nelson Industrial Steam Co NISCO

Activity Number: PER20070001

Permit Number: 0520-00157-V1

Air - Title V Regular Permit Minor Mod

All phases

PM10: 182.58 tons/yr
 SO2: 8134.24 tons/yr
 NOx: 5900.36 tons/yr
 CO: 984.68 tons/yr
 VOC: 35.32 tons/yr

Emission rates Notes:

| | | | | |
|---------|------|-----------|---|------------------------|
| EQT 001 | PM10 | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |
| EQT 001 | SO2 | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |
| EQT 001 | NOx | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |
| EQT 001 | CO | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |
| EQT 003 | PM10 | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |
| EQT 003 | SO2 | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |
| EQT 003 | NOx | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |
| EQT 003 | CO | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |
| GRP 011 | CO | Tons/Year | Annual maximum include Carbon Monoxide emissions for both C3A Limestone Dryer 1 and C3B Limestone Dryer 2. | Which Months: All Year |
| GRP 013 | SO2 | Max lb/hr | Hourly maximum include Sulfur Dioxide emissions for both C1-Unit 1A CFB Boiler stack and C2-Unit 2A CFB Boiler stack. | Which Months: All Year |

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AIID: 9142 - Nelson Industrial Steam Co NISCO

Activity Number: PER20070001

Permit Number: 0520-00157-V1

Air - Title V Regular Permit Minor Mod

All phases

| Arsenic (and compounds) | | | Benzene | | | Beryllium (Table 51.1) | | | Cadmium (and compounds) | | | Chromium VI (and compounds) | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|------------------------|-----------|-----------|-------------------------|-----------|-----------|-----------------------------|-----------|-----------|-----------|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| EQT 001 C1 | | | | | | 0.001 | 0.02 | 0.005 | 0.09 | 0.09 | 0.38 | 0.02 | 0.02 | 0.02 | 0.08 |
| EQT 003 C2 | | | | | | 0.001 | 0.02 | 0.005 | 0.09 | 0.09 | 0.38 | 0.02 | 0.02 | 0.02 | 0.08 |
| GRP 004 C1 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| GRP 006 C2 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9142 - Nelson Industrial Steam Co NISCO

Activity Number: PER20070001

Permit Number: 0520-00157-V1

Air - Title V Regular Permit Minor Mod

All phases

| Dichlorobenzene | | Formaldehyde | | Manganese (and compounds) | | Mercury (and compounds) | | Naphthalene | | | | |
|-----------------|-----------|--------------|-----------|---------------------------|-----------|-------------------------|-----------|-------------|-----------|-----------|-----------|-----------|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year |
| EQT 001 C1 | < | | | | | | < | 0.01 | < | 0.01 | < | 0.01 |
| EQT 003 C2 | | | | | | | > | 0.01 | < | 0.01 | < | 0.01 |
| GRP 004 C1 | < 0.01 | < 0.01 | < 0.01 | 0.02 | 0.02 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| GRP 006 C2 | < 0.01 | < 0.01 | < 0.01 | 0.02 | 0.02 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 9142 - Nelson Industrial Steam Co NISCO
 Activity Number: PER20070001
 Permit Number: 0520-00157-V1
 Air - Title V Regular Permit Minor Mod

All phases

| Nickel (and compounds) | | | Toluene | | | n-Hexane | | |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Subject Item | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr | Tons/Year | Avg lb/hr | Max lb/hr |
| EQT 001 C1 | 0.25 | 0.27 | 1.07 | | | | | |
| EQT 003 C2 | 0.25 | 0.27 | 1.07 | | | | | |
| GRP 004 C1 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.37 | 0.44 |
| GRP 006 C2 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.37 | 0.44 |

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Arsenic (and compounds): 0.01 tons/yr
 Benzene: 0.01 tons/yr
 Benyllium (Table 51.1): 0.01 tons/yr
 Cadmium (and compounds): 0.76 tons/yr
 Chromium VI (and compounds): 0.16 tons/yr
 Dichlorobenzene: 0.01 tons/yr
 Formaldehyde: 0.01 tons/yr
 Manganese (and compounds): 0.01 tons/yr
 Mercury (and compounds): 0.02 tons/yr
 n-Hexane: 0.01 tons/yr
 Nickel (and compounds): 2.14 tons/yr
 Toluene: 0.01 tons/yr

Emission Rates Notes:

| | | | | |
|---------|------------------------|-----------|--|------------------------|
| EQT 001 | Beryllium (Table 51.1) | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |
| EQT 003 | Beryllium (Table 51.1) | Avg lb/hr | Average lb/hr based on thirty-day rolling average. | Which Months: All Year |

SPECIFIC REQUIREMENTS**AI ID: 9142 - Nelson Industrial Steam Co NISCO****Activity Number: PER20070001****Permit Number: 0520-00157-V1****Air - Title V Regular Permit Minor Mod****EQT001 C1-Unit 1A CFB Boiler Stack**

- 1 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
 - Which Months: All Year Statistical Basis: None specified
- 2 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
 - Which Months: All Year Statistical Basis: None specified
- 3 Sulfur dioxide <= 2000 ppmv at standard conditions. [LAC 33:III.1503.C]
 - Which Months: All Year Statistical Basis: Three-hour average
- 4 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. This facility has a sulfur dioxide CEMS and therefore is not required to perform these tests. [LAC 33:III.1503.D.1]
- 5 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60, Appendix B, and quality assured by the procedures in 40 CFR 60, Appendix F. [LAC 33:III.1511.A]
 - Which Months: All Year Statistical Basis: None specified
- 6 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
 - 7 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]
 - 8 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:1.Chapter 39. [LAC 33:III.1513]
 - 9 Operating Scenario 5 of 5: Subbituminous Coal Fuel rate <= 15 percent on a BTU basis for J-valve loop agglomeration control. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Constant
 - 10 Total Combined Maximum hourly emission rate <=3519.36 lb/hr SO₂. The combined emissions from Unit 1A CFB Boiler Stack and Unit 2A CFB Boiler Stack shall not exceed the Maximum lb/hr emissions rate set forth in this specific condition. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined maximum emission rate exceeds the maximum listed in this specific condition. [LAC 33:III.501.C.6]
 - 11 Equipment/operational data monitored by technically sound method continuously Keep records of the total combined SO₂ maximum hourly emissions rate from Unit 1A CFB Boiler stack and Unit 2A Boiler stack. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: None specified
 - 12 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total combined maximum hourly SO₂ emission rate from Unit 1A CFB Boiler stack and Unit 2A Boiler stack each month, as well as the total combined maximum hourly emission rate from Unit 1A CFB Boiler stack and Unit 2A Boiler stack for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
 - 13 Permittee shall measure the sulfur dioxide emission rate of this source to ensure compliance with the permitted limits by a method acceptable to the Office of Environmental Assessment, Air Quality Division. Records of the hourly sulfur dioxide emission rate in pounds per hour shall be kept on site and made available for inspection by the Office of Environmental Assessment, Air Quality Division. Total annual sulfur dioxide emissions shall be reported to the Office of Environmental Assessment, Air Quality Division by March 31 for the preceeding calendar year. [LAC 33:III.501.C.6]
 - 14 Permittee shall develop and implement a preventative maintenance program for the fabric dust collection system. Records of routine maintenance shall be kept onsite for a period of two years and shall be made available for inspection upon request by representatives of the Air Quality Division. [LAC 33:III.509]
 - 15 Operating Scenario 1 of 5: NISCO rehydrated ash <=12000.00 lb/hr may be injected into the J-valve loop of this unit. This material is bed ash and fly ash from this unit and is used for agglomeration control. [LAC 33:III.509]
 - 16 Operating Scenario 2 of 5: Industrial Grade No. 4 sand <=4250.00 lb/hr may be injected into the J-valve loop of this unit for agglomeration control. [LAC 33:III.509]

SPECIFIC REQUIREMENTS**AI ID: 9142 - Nelson Industrial Steam Co NISCO****Activity Number: PER20070001****Permit Number: 0520-00157-V1****Air - Title V Regular Permit Minor Mod****EQT001 C1-Unit 1A CFB Boiler Stack**

- 17 Operating Scenario 3 of 5: Class C or Class F fly ash <=1000.00 lb/hr may be injected into the J-valve loop of this unit for agglomeration control. [LAC 33:III.509]
- 18 Operating Scenario 4 of 5: Any combination of the materials listed in Operating Scenarios 1, 2, and 3 may be injected into the J-valve loop of this unit for agglomeration control, provided that the total mass injection rate does not exceed a facility-wide maximum of 26000.00 lb/hr. [LAC 33:III.509]
- 19 Sulfur dioxide <= 0.83 lb/MMBTU. Unit 1A CFB Boiler stack shall use limestone injection to reduce SO₂ with at least 90% efficiency. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 20 Nitrogen oxides <= 0.60 lb/MMBTU. Unit 1A CFB Boiler stack shall use combustion control to reduce NO_x. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 21 Particulate matter (10 microns or less) <= 0.03 lb/MMBTU. Unit 1A CFB Boiler stack shall use fabric filter system to reduce PM10 with at least 60% efficiency. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 22 Carbon monoxide <= 0.10 lb/MMBTU. Unit 1A CFB Boiler stack shall achieve this level by controlling operating parameters and boiler design. [LAC 33:III.509]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 23 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total amounts of each individual material injected into the J-valve of this unit for agglomeration control and the total amount of subbituminous coal fired in this unit for agglomeration control each month, as well as the total amounts of each individual material injected into the J-valve of this unit for agglomeration control and the total amount of subbituminous coal fired in this unit for agglomeration control for the last twelve months. Subbituminous coal fired in this unit shall only be used for agglomeration control. Make records available for inspection by DEQ personnel. [LAC 33:III.509]
- 24 Submit report: Due annually, by the 31st of March. Report the total amounts of each individual material injected into the J-valve of this unit for agglomeration control for the preceding calendar year to the Office of Environmental Compliance, Surveillance Division. Subbituminous coal fired in this unit shall only be used for agglomeration control. [LAC 33:III.509]
- 25 Sulfur dioxide >= 90 % reduction (less than or equal to 10 percent of the potential SO₂ emission rate). Except as provided in 40 CFR 60.42b(i), the sulfur dioxide percent reduction requirements apply at all times, including periods of startup, shutdown, and malfunction. Subpart Db. [40 CFR 60.42(b)(a)]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 26 Sulfur dioxide <= 1.2 lb/MMBTU (520 ng/J) heat input, as determined using the specified equation. Except as provided in 40 CFR 60.42b(i), the sulfur dioxide emission limits apply at all times, including periods of startup, shutdown, and malfunction. Subpart Db. [40 CFR 60.42(b)]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 27 Particulate matter (10 microns or less) <= 0.20 lb/MMBTU (86 ng/J) heat input. The particulate matter standards apply at all times, except during periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.43b(a)(3)]
- Which Months: All Year Statistical Basis: None specified
- 28 Opacity <= 20 percent, except for one 6-minute period per hour of not more than 27% opacity. The opacity standards apply at all times, except during periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.43b(f)]
- Which Months: All Year Statistical Basis: Six-minute average
- 29 Nitrogen oxides <= 0.6 lb/MMBTU (260 ng/J) heat input (expressed as NO₂). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44(b)]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 30 Fuel sulfur content monitored by 40 CFR 60, Appendix A, Method 19 at the regulation's specified frequency. Collect coal or oil samples in an as-fired condition at the inlet to the steam generating unit and analyze for sulfur content. Follow procedures in Method 19 for conversion of measurements into the average sulfur dioxide input rate. Use the procedures in 40 CFR 60.47b(b)(3) and (4) to determine the mean 30-day sulfur dioxide emission rate. Subpart Db. [40 CFR 60.47b(b)(1)]
- Which Months: All Year Statistical Basis: None specified

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EQT001 C1-Unit 1A CFB Boiler Stack

- 31 Heat content monitored by 40 CFR 60, Appendix A, Method 19 at the regulation's specified frequency. Collect coal or oil samples in an as-fired condition at the inlet to the steam generating unit and analyze for heat content. Follow procedures in Method 19 for conversion of measurements into the average sulfur dioxide input rate. Use the procedures in 40 CFR 60.47b(b)(3) and (4) to determine the mean 30-day sulfur dioxide emission rate. Subpart Db. [40 CFR 60.47b(b)(1)]
- 32 Which Months: All Year Statistical Basis: None specified
- 32 Opacity monitored by continuous opacity monitor (COM) continuously. Subpart Db. [40 CFR 60.48b(a)]
- 33 Which Months: All Year Statistical Basis: Six-minute average
- 33 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d). Subpart Db. [40 CFR 60.48b(b)(1)]
- 34 Nitrogen oxides recordkeeping by CMS continuously. Subpart Db. [40 CFR 60.48b(b)(1)]
- 35 NOx CEMS performance evaluation data reported to meet the requirements of 40 CFR 60.49b shall not include data substituted using the missing data procedures in 40 CFR 75 Subpart D, nor shall the data have been bias adjusted according to the procedures of 40 CFR 75. Subpart Db. [40 CFR 60.48b(b)(2)]
- 36 Operate NOx continuous monitoring systems and record data during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]
- 37 Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NOx and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)]
- 38 When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)]
- 39 Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)]
- 40 Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]
- 41 Submit the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. Subpart Db. [40 CFR 60.49b(b)]
- 42 Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)]
- 43 Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]
- 44 Opacity recordkeeping by electronic or hard copy continuously. Subpart Db. [40 CFR 60.49b(f)]
- 45 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p). Subpart Db. [40 CFR 60.49b(g)]
- 46 Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]
- 47 Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]
- 48 Submit a report to DEQ containing the sulfur dioxide emission rate information listed in 40 CFR 60.49b(k)(1) through (k)(11). Subpart Db. [40 CFR 60.49b(k)]

SPECIFIC REQUIREMENTS**A1 ID: 9142 - Nelson Industrial Steam Co NISCO****Activity Number: PER20070001****Permit Number: 0520-00157-V1****Air - Title V Regular Permit Minor Mod****C1-Unit 1A CFB Boiler Stack****EQT001**

- 49 Submit a report to DEQ containing the sulfur dioxide emission rate information listed in 40 CFR 60.49b(l)(1) through (l)(9) for facilities combusting only very low sulfur oil.
Subpart Db. [40 CFR 60.49b(l)]
- 50 Submit the information listed in 40 CFR 60.49b(m)(1) through (m)(4) in addition to that required under 40 CFR 60.49b(k), for facilities for which the minimum amount of SO₂ data required under 40 CFR 60.47b(f) were not obtained during the reporting period. Subpart Db. [40 CFR 60.49b(m)]
- 51 Submit a signed statement with the report containing the fuel pretreatment information specified in 40 CFR 60.49b(n)(1) through (n)(4). Subpart Db. [40 CFR 60.49b(n)]
- 52 Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]
- 53 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the calendar date, the number of hours of operation, and the hourly steam load for each steam generating unit operating day. Subpart Db. [40 CFR 60.49b(p)]
- 54 Submit a report to DEQ containing the annual capacity factor over the previous 12 months, the average fuel nitrogen content during the reporting period if residual oil was fired, and all other applicable information per 40 CFR 60.49b(q)(1) through (q)(3). Subpart Db. [40 CFR 60.49b(q)]
- 55 Fuel sulfur content recordkeeping by fuel certification receipts upon each occurrence of receipt from the fuel supplier certifying that the oil meets the definition of very low sulfur oil in 40 CFR 60.41b. Maintain the fuel receipts at the facility. Subpart Db. [40 CFR 60.49b(r)]
- 56 Submit a report to DEQ certifying that only very low sulfur oil meeting the definition in 40 CFR 60.41b was combusted during the reporting period. Subpart Db. [40 CFR 60.49b(r)]

C2-Unit 2A CFB Boiler Stack**EQT003**

- 57 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 58 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- 59 Sulfur dioxide <= 2000 ppm at standard conditions. [LAC 33:III.1503.C]
Which Months: All Year Statistical Basis: Three-hour average
- 60 Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. This facility has a sulfur dioxide CEMS and therefore is not required to perform these tests. [LAC 33:III.1503.D.1]
- 61 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60, Appendix B, and quality assured by the procedures in 40 CFR 60, Appendix F. [LAC 33:III.1511.A]
Which Months: All Year Statistical Basis: None specified
- 62 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 63 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. [LAC 33:III.1513]
- 64 Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:III. Chapter 39. [LAC 33:III.1513]
- 65 Operating Scenario 5 of 5: Subbituminous Coal Fuel rate <= 15 percent on a BTU basis for J-valve loop agglomeration control. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Constant

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- 66 Total Combined Maximum hourly emission rate <=3519.36 lb/hr SO₂. The combined emissions from Unit 1A CFB Boiler Stack and Unit 2A CFB Boiler Stack shall not exceed the Maximum lb/hr emissions rate set forth in this specific condition. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined maximum emission rate exceeds the maximum listed in this specific condition. [LAC 33:III.501.C.6]
- 67 Equipment/operational data recordkeeping by electronic or hard copy monthly Keep records of the total combined SO₂ maximum hourly emissions rate from Unit 1A CFB Boiler stack and Unit 2A Boiler stack. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 68 Equipment/operational data monitored by technically sound method continuously Keep records of the total combined SO₂ maximum hourly emissions rate from Unit 1A CFB Boiler stack and Unit 2A Boiler stack. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 69 Permittee shall measure the sulfur dioxide emission rate of this source to ensure compliance with the permitted limits by a method acceptable to the Office of Environmental Assessment, Air Quality Division. Records of the hourly sulfur dioxide emission rate in pounds per hour shall be kept on site and made available for inspection by the Office of Environmental Assessment, Air Quality Division. Total annual sulfur dioxide emissions shall be reported to the Office of Environmental Assessment, Air Quality Division by March 31 for the preceding calendar year. [LAC 33:III.501.C.6]
- 70 Permittee shall develop and implement a preventative maintenance program for the fabric dust collection system. Records of routine maintenance shall be kept onsite for a period of two years and shall be made available for inspection upon request by representatives of the Air Quality Division. [LAC 33:III.509]
- 71 Operating Scenario 2 of 5: Industrial Grade No. 4 sand <=4250.00 lb/hr may be injected into the J-valve loop of this unit for agglomeration control. [LAC 33:III.509]
- 72 Operating Scenario 3 of 5: Class C or Class F fly ash <=1000.00 lb/hr may be injected into the J-valve loop of this unit for agglomeration control. [LAC 33:III.509]
- 73 Operating Scenario 4 of 5: Any combination of the materials listed in Operating Scenarios 1, 2, and 3 may be injected into the J-valve loop of this unit for agglomeration control, provided that the total mass injection rate does not exceed a facility-wide maximum of 26000.00 lb/hr. [LAC 33:III.509]
- 74 Sulfur dioxide <= 0.83 lb/MMBTU. Unit 2A CFB Boiler stack shall use limestone injection to reduce SO₂ with at least 90% efficiency. [LAC 33:III.509]
- 75 Operating Scenario 1 of 5: NISCO rehydrated ash <=12000.00 lb/hr may be injected into the J-valve loop of this unit. This material is bed ash and fly ash from this unit and is used for agglomeration control. [LAC 33:III.509]
- 76 Nitrogen oxides <= 0.60 lb/MMBTU. Unit 2A CFB Boiler stack shall use combustion control to reduce NOx. [LAC 33:III.509]
- 77 Particulate matter (10 microns or less) <= 0.03 lb/MMBTU. Unit 2A CFB Boiler stack shall use fabric filter system to reduce PM10 with at least 60% efficiency. [LAC 33:III.509]
- 78 Carbon monoxide <= 0.10 lb/MMBTU. Unit 2A CFB Boiler stack shall achieve this level by controlling operating parameters and boiler design. [LAC 33:III.509]
- 79 Which Months: All Year Statistical Basis: Thirty-day rolling average Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total amounts of each individual material injected into the J-valve of this unit for agglomeration control and the total amount of subbituminous coal fired in this unit for agglomeration control each month, as well as the total amounts of each individual material injected into the J-valve of this unit for agglomeration control and the total amount of subbituminous coal fired in this unit for agglomeration control for the last twelve months. Subbituminous coal fired in this unit shall only be used for agglomeration control. Make records available for inspection by DEQ personnel. [LAC 33:III.509]
- 80 Submit report: Due annually, by the 31st of March. Report the total amounts of each individual material injected into the J-valve of this unit for agglomeration control and the total amount of subbituminous coal fired in this unit for agglomeration control for the preceding calendar year to the Office of Environmental Compliance, Surveillance Division. Subbituminous coal fired in this unit shall only be used for agglomeration control. [LAC 33:III.509]
- 81 Sulfur dioxide >= 90 % reduction (less than or equal to 10 percent of the potential SO₂ emission rate). Except as provided in 40 CFR 60.42b(i), the sulfur dioxide percent reduction requirements apply at all times, including periods of startup, shutdown, and malfunction. Subpart Db. [40 CFR 60.42(b)(a)]
- Which Months: All Year Statistical Basis: Thirty-day rolling average

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- 82 Sulfur dioxide <= 1.2 lb/MMBTU (520 ng/J) heat input, as determined using the specified equation. Except as provided in 40 CFR 60.42b(i), the sulfur dioxide emission limits apply at all times, including periods of startup, shutdown, and malfunction. Subpart Db. [40 CFR 60.42(b)]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 83 Particulate matter (10 microns or less) <= 0.20 lb/MMBTU (86 ng/J) heat input. The particulate matter standards apply at all times, except during periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.43b(a)(3)]
- Which Months: All Year Statistical Basis: None specified
- 84 Opacity <= 20 percent, except for one 6-minute period per hour of not more than 27% opacity. The opacity standards apply at all times, except during periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.43b(f)]
- Which Months: All Year Statistical Basis: Six-minute average
- 85 Nitrogen oxides <= 0.6 lb/MMBTU (260 ng/J) heat input (expressed as NO₂). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44(b)]
- Which Months: All Year Statistical Basis: Thirty-day rolling average
- 86 Fuel sulfur content monitored by 40 CFR 60, Appendix A, Method 19 at the regulation's specified frequency. Collect coal or oil samples in an as-fired condition at the inlet to the steam generating unit and analyze for sulfur content. Follow procedures in Method 19 for conversion of measurements into the average sulfur dioxide input rate. Use the procedures in 40 CFR 60.47b(b)(3) and (4) to determine the mean 30-day sulfur dioxide emission rate. Subpart Db. [40 CFR 60.47b(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 87 Heat content monitored by 40 CFR 60, Appendix A, Method 19 at the regulation's specified frequency. Collect coal or oil samples in an as-fired condition at the inlet to the steam generating unit and analyze for heat content. Follow procedures in Method 19 for conversion of measurements into the average sulfur dioxide input rate. Use the procedures in 40 CFR 60.47b(b)(3) and (4) to determine the mean 30-day sulfur dioxide emission rate. Subpart Db. [40 CFR 60.47b(b)(1)]
- Which Months: All Year Statistical Basis: One-hour average
- 88 Opacity monitored by continuous opacity monitor (COM) continuously. Subpart Db. [40 CFR 60.48b(a)]
- Which Months: All Year Statistical Basis: Six-minute average
- 89 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d). Subpart Db. [40 CFR 60.48b(b)(1)]
- Which Months: All Year Statistical Basis: One-hour average
- 90 Nitrogen oxides recordkeeping by CMS continuously. Subpart Db. [40 CFR 60.48b(b)(1)]
- 91 NO_x CEMS performance evaluation data reported to meet the requirements of 40 CFR 60.49b shall not include data substituted using the missing data procedures in 40 CFR 75 Subpart D, nor shall the data have been bias adjusted according to the procedures of 40 CFR 75. Subpart Db. [40 CFR 60.48b(b)(2)]
- 92 Operate NO_x continuous monitoring systems and record data during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]
- 93 Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NO_x and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)]
- 94 When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)]
- 95 Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)]

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- 96 Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]
- 97 Submit the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. Subpart Db. [40 CFR 60.49b(b)]
- 98 Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)]
- 99 Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]
- 100 Opacity recordkeeping by electronic or hard copy continuously. Subpart Db. [40 CFR 60.49b(f)]
- 101 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p). Subpart Db. [40 CFR 60.49b(g)]
- 102 Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]
- 103 Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]
- 104 Submit a report to DEQ containing the sulfur dioxide emission rate information listed in 40 CFR 60.49b(k)(1) through (k)(11). Subpart Db. [40 CFR 60.49b(k)]
- 105 Submit a report to DEQ containing the sulfur dioxide emission rate information listed in 40 CFR 60.49b(l)(1) through (l)(9) for facilities combusting only very low sulfur oil. Subpart Db. [40 CFR 60.49b(l)]
- 106 Submit the information listed in 40 CFR 60.49b(m)(1) through (m)(4) in addition to that required under 40 CFR 60.49b(k), for facilities for which the minimum amount of SO₂ data required under 40 CFR 60.47b(f) were not obtained during the reporting period. Subpart Db. [40 CFR 60.49b(m)]
- 107 Submit a signed statement with the report containing the fuel pretreatment information specified in 40 CFR 60.49b(n)(1) through (n)(4). Subpart Db. [40 CFR 60.49b(n)]
- 108 Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]
- 109 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the calendar date, the number of hours of operation, and the hourly steam load for each steam generating unit operating day. Subpart Db. [40 CFR 60.49b(p)]
- 110 Submit a report to DEQ containing the annual capacity factor over the previous 12 months, the average fuel nitrogen content during the reporting period if residual oil was fired, and all other applicable information per 40 CFR 60.49b(q)(1) through (q)(3). Subpart Db. [40 CFR 60.49b(q)]
- 111 Fuel sulfur content recordkeeping by fuel certification receipts upon each occurrence of receipt from the fuel supplier certifying that the oil meets the definition of very low sulfur oil in 40 CFR 60.41b. Maintain the fuel receipts at the facility. Subpart Db. [40 CFR 60.49b(r)]
- 112 Submit a report to DEQ certifying that only very low sulfur oil meeting the definition in 40 CFR 60.41b was combusted during the reporting period. Subpart Db. [40 CFR 60.49b(r)]

EQT004 C3A-Limestone Dryer 1

- 113 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

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114 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

115 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

116 Permittee shall burn only natural gas with a sulfur content of less than 2 grains per 100 cubic feet, measured in hydrogen sulfide. [LAC 33:III.509]

EQT008 C3B-Limestone Dryer 2

117 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

118 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

119 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

120 Permittee shall burn only natural gas with a sulfur content of less than 2 grains per 100 cubic feet, measured in hydrogen sulfide. [LAC 33:III.509]

FUG001 M1-Limestone End Dump Truck into Truck Hopper

121 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG002 M2-Limestone Conv#1 (LC #1) Stackout onto Limestone Storage Pile

122 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG003 M3-Limestone Storage Pile Fugitive Emissions

123 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG004 M4-Limestone Conveyors (Unloading Hopper to Feed Belt to LC #3)

124 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG005 M5-Limestone Underground Reclaim Tunnel to Limestone Conveyor #3 (LC #3)

SPECIFIC REQUIREMENTS**AI ID:** 9142 - Nelson Industrial Steam Co NISCO**Activity Number:** PER20070001**Permit Number:** 0520-00157-V1**Air - Title V Regular Permit Minor Mod****M5-Limestone Underground Reclaim Tunnel to Limestone Conveyor #3 (LC #3)**

125 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG005 M6 - Limestone Conveyor #3 to #5

126 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG006 M7 - Limestone Conveyor #5 to Surge Bin(Buffer Silo)

127 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG008 M8, M9,M10,M11 - Limestone Conveyor System

128 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG009 M12,M13 - Limestone Mills to Course Sand and/or Limestone Silos

129 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG010 M14A,M14B-Coke End Dump Truck into Truck Hopper

130 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG011 M15A,M15B,M16-Petroleum Coke Conveyer System

131 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG012 M17 - Enclosed Coke Stackout Pile Fugitive Emissions

132 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG013 M18-Full Portal Petroleum Coke Scraper Reclaimer

133 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG014 M19,M20-Emergency Coke Reclaim Hoppers A and B Drop onto Coke Conveyor No. 4

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Activity Number: PER20070001

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M19,M20-Emergency Coke Reclaim Hoppers A and B Drop onto Coke Conveyor No. 4

134 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG015 M21-Scraper Reclaimer to Reclaim Conveyor #4

135 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG016 M22,M23,M24,M25A,M25B-Coke Crusher and Conveyor System

136 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG017 M26,M27-Coke Conveyors to Coke Feeder Silos

137 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG018 M28,M36-Fly Ash Silo Bin Vent #1 and Vent #2

138 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG019 M29,M33,M34,M35-Fly Ash Silo Pneumatic Transfer System

139 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG020 M30-Fly Ash Truck Haul Road

140 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG021 M31,M32-Ash Disposal Area Fugitive and Reclaim Activity Emissions

141 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG022 M37,M38-Bottom Ash Silo Bin Vent #1 and Vent #2

142 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

FUG023 M39,M40-Limestone Feeder System

SPECIFIC REQUIREMENTS

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FUG023 M39,M40-Limestone Feeder System

- 143 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]

GRP004 C1-Unit 1A CFB Boiler Stack (Start-up)

- 144 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
 Which Months: All Year Statistical Basis: None specified
- 145 Permittee shall measure the sulfur dioxide emission rate of this source to ensure compliance with the permitted limits by a method acceptable to the Office of Environmental Assessment, Air Quality Division. Records of the hourly sulfur dioxide emission rate in pounds per hour shall be kept on site and made available for inspection by the Office of Environmental Assessment, Air Quality Division. Total annual sulfur dioxide emissions shall be reported to the Office of Environmental Assessment, Air Quality Division by March 31 for the preceeding calendar year. [LAC 33:III.509]

GRP006 C2-Unit 2A CFB Boiler Stack (Start-up)

- 146 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
 Which Months: All Year Statistical Basis: None specified
- 147 Permittee shall measure the sulfur dioxide emission rate of this source to ensure compliance with the permitted limits by a method acceptable to the Office of Environmental Assessment, Air Quality Division. Records of the hourly sulfur dioxide emission rate in pounds per hour shall be kept on site and made available for inspection by the Office of Environmental Assessment, Air Quality Division. Total annual sulfur dioxide emissions shall be reported to the Office of Environmental Assessment, Air Quality Division by March 31 for the preceeding calendar year. [LAC 33:III.509]

GRP007 NISCO Facility

- 148 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 149 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 150 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 151 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 152 Sulfur dioxide <= 8134.24 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 153 Nitrogen oxides <= 5900.36 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 154 Carbon monoxide <= 984.68 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 155 VOC, Total <= 35.32 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 9142 - Nelson Industrial Steam Co NISCO
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GRP007 **NISCO Facility**

- 156 Particulate matter (10 microns or less) <= 182.58 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 157 Benzene <= 0.01 tons/yr. [LAC 33:III.501.C.6]
- 158 Arsenic (and compounds) <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 159 Beryllium (Table 51.1) <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 160 Cadmium (and compounds) <= 0.76 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 161 Chromium VI (and compounds) <= 0.16 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 162 Dichlorobenzene <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 163 Formaldehyde <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 164 Mercury (and compounds) <= 0.02 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 165 Naphthalene <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 166 Manganese (and compounds) <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 167 Nickel (and compounds) <= 2.14 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 168 Toluene <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 169 n-Hexane <= 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 170 Permittee shall develop and implement a preventative maintenance program for the fabric dust collection system. Records of routine maintenance shall be kept on site for a period of at least two years and shall be made available for inspection upon request by a representative of DEQ. [LAC 33:III.509]
- 171 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 172 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 173 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 174 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 175 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

SPECIFIC REQUIREMENTS**AI ID: 9142 - Nelson Industrial Steam Co NISCO****Activity Number: PER20070001****Permit Number: 0520-00157-V1****Air - Title V Regular Permit Minor Mod****GRP007****NISCO Facility**

- 176 Comply with the requirements of PSD-LA-557. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-557. [40 CFR 52.21]
- 177 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 178 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 179 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 180 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 181 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

GRP008**Fabric Filter Conditions**

- 182 Filter vents: Visible emissions monitored by visual inspection/determination daily. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 183 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visual checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 184 Filter elements (bags): Equipment/operational data monitored by technically sound method once every six months or whenever visual checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
- 185 Filter elements (bags): Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 186 Permittee shall develop and implement a preventative maintenance program for the fabric dust collection system. Records of routine maintenance shall be kept onsite for a period of two years and shall be made available for inspection upon request by representatives of the Air Quality Division. [LAC 33:III.509]

GRP011**CO CAP C3A and C3B-Limestone Dryers**

- 187 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total combined Carbon Monoxide emissions during each month, as well as the total combined Carbon Monoxide emissions for the C3A and C3B Limestone Dryers. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 188 Total Combined CO <= 1.8 tons/yr. The combined Carbon Monoxide emissions from C3A and C3B limestone dryers shall not exceed the combined tons/yr emissions rate set forth in this specific condition. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined tons/yr exceeds the maximum listed in this specific condition. [LAC 33:III.509]
- 189 Carbon monoxide <= 0.42 lb/hr Hourly average include Carbon Monoxide emissions for both C3A Limestone Dryer 1 and C3B Limestone Dryer 2. [LAC 33:III.509]
Which Months: All Year Statistical Basis: Thirty-day rolling average

GRP012**PM10 CAP for Boiler Stack (Start-up)**

SPECIFIC REQUIREMENTS

AI ID: 9142 - Nelson Industrial Steam Co NISCO

Activity Number: PER20070001

Permit Number: 0520-00157-V1

Air - Title V Regular Permit Minor Mod

GRP012 PM10 CAP for Boiler Stack (Start-up)

190 Equipment/operational data monitored by technically sound method continuously. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: None specified

- 191 Total Combined PM10 <=14.78 tons/yr. The combined particulate matter emissions from Unit 1A CFB Boiler Stack start-up and Unit 2A CFB Boiler Stack start-up shall not exceed the combined tons/yr emissions rate set forth in this specific condition. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined tons/yr during start-up exceeds the maximum listed in this specific condition. [LAC 33:III.501.C.6]
- 192 Total Combined operating hours during start-up of 140hr/yr for Unit 1A CFB Boiler Stack and Unit 2A CFB Boiler Stack. [LAC 33:III.501.C.6]
- 193 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total combined PM10 emissions during start-up each month, as well as the total combined PM10 emissions during start-up for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]
- 194 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total combined operating hours during start-up each month, as well as the total combined total combined operating hours during start-up for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

GRP013 SO2 CAP for Unit 1A and 2A Boiler Stack

- 195 Total Combined Maximum hourly emission rate <=3519.36 lb/hr SO₂. The combined emissions from Unit 1A CFB Boiler Stack and Unit 2A CFB Boiler Stack shall not exceed the Maximum lb/hr emissions rate set forth in this specific condition. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined maximum emission rate exceeds the maximum listed in this specific condition. [LAC 33:III.501.C.6]